UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #2**
Progress Report
Keystone Corridor Ground Water Contamination Site
B5VX
Indianapolis, IN
Latitude: 39.8371145 Longitude: -86.1217992

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From: Shelly Lam, On-Scene Coordinator
Date: 6/9/2017
Reporting Period: June 6, 2017

1. Introduction

1.1 Background

Site Number:	B5VX	**Contract Number:**	EP-S4-16-02
D.O. Number:	0033	**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	NPL	**Operable Unit:**	
Mobilization Date:	5/8/2017	**Start Date:**	3/29/2017
Demob Date:		**Completion Date:**	
CERCLIS ID:	INN000510399	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Incident Category: Other - Ground Water Plume Site

1.1.2 Site Description

The Keystone Corridor Ground Water Contamination Site is a ground water plume that has contaminated the City of Indianapolis's Fall Creek municipal well field. Citizens Energy Group operates nine municipal wells in the Fall Creek well field, which supplies drinking water to approximately 122,744 people.

The U.S. Environmental Protection Agency (EPA) proposed the site to the National Priorities List (NPL) in May 2013, and it became final on the NPL in December 2013. The Hazard Ranking System (HRS) documentation record identified over forty known users or handlers of solvents as possible sources for the Keystone Corridor ground water plume. Some of these sources identified by the Indiana Department of

EPA excavated over 2,550 tons of contaminated soil and two underground storage tanks at the Tuchman Cleaners Site. In addition, EPA sampled over 40 downgradient properties to determine if vapor intrusion was occurring. EPA installed vapor mitigation systems at 22 residential properties where completed pathways were identified.

1.1.2.1 Location

The Keystone Corridor site is located at the intersection of North Keystone Avenue and East Fall Creek Parkway North Drive in Indianapolis, Marion County, Indiana. The approximate center of the study area is 39.834821 degrees north latitude and 86.1217992 degrees west longitude. The areal extent of the site is approximately 101.2 acres.

The site is located in a mixed-use area approximately 5 miles northeast of downtown Indianapolis. The area includes a mixture of commercial and residential properties.

1.1.2.2 Description of Threat

A release or threat of release of hazardous substances, pollutants, or contaminants is present at the site. EPA confirmed the presence of hazardous substances as defined by section 101(14) of CERCLA including tetrachloroethene (PCE) and trichloroethene (TCE). Possible exposure routes include inhalation of contaminated air that may have migrated through subsurface soil and ground water. Potential human receptors include residents and workers at commercial/industrial businesses.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA has been conducting a Remedial Investigation/Feasibility Study (RI/FS) at the site. As part of the RI/FS, EPA collected ground water, soil gas, subslab, and indoor air samples to characterize site conditions, determine the nature and extent of contamination, and assess risk to human health and the environment.

Results from the RI/FS documented that a completed vapor intrusion pathway is present at the Keystone Corridor Site. PCE and TCE are present in ground water. Both chemicals are vapor-forming and are migrating through soil gas. Buildings have proven to be susceptible to soil gas entry as PCE and/or TCE are present in the indoor air of occupied buildings above relevant screening levels. In one home, TCE exceeded the Urgent Response Action Level.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On March 29, 2017, EPA verbally authorized an emergency response action to mitigate an imminent and substantial threat of release. EPA's actions will include: performing vapor mitigation at properties where relevant indoor air action levels are exceeded in accordance with current EPA guidance; performing post-installation proficiency sampling 30 days, six months, and one year after mitigation system installation; and taking any other response actions to address any release or threatened release of a hazardous substance, pollutant or contaminant that the EPA On-Scene Coordinator (OSC) determines may pose an imminent and substantial endangerment to the public health or the environment.

2.1.2 Response Actions to Date

On June 6, 2017, EPA installed and connected solar panels to run the vapor mitigation system at property RP-047. EPA also coordinated fan replacement at a nearby property that was installed as part of the Tuchman Cleaners time-critical removal action; the fan was under warranty.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Information on PRPs is in the site files.

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
Pending					

2.2 Planning Section

2.2.1 Anticipated Activities

The following sections describe planned response activities and next steps.

2.2.1.1 Planned Response Activities

EPA and its contractors will return to the site on June 27-28 to seal the crawl space at property RP-039. The work was scheduled for June 8 but was rescheduled to accommodate the homeowner.

2.2.1.2 Next Steps

EPA will perform post-installation proficiency sampling 30 days, six months, and one year after mitigation system installation.

2.2.2 Issues

None

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$25,000.00	$7,267.71	$17,732.29	70.93%
TAT/START	$20,000.00	$2,194.56	$17,805.44	89.03%
Intramural Costs				
Total Site Costs	$45,000.00	$9,462.27	$35,537.73	78.97%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer
OSC Lam is the overall Safety Officer for the response. EPA's contractors prepared a health and safety plan.

2.5.2 Liaison Officer
NA

2.5.3 Information Officer
NA

3. Participating Entities

3.1 Unified Command
NA

3.2 Cooperating Agencies
EPA is receiving supporting from IDEM and the Marion County Public Health Department.

4. Personnel On Site

The following personnel were on-site on May 8th.

Agency	Personnel
EPA	1
ERRS	1
ERRS Subcontractor	1
START	1

5. Definition of Terms

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EPA	Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
HRS	Hazard Ranking System
IDEM	Indiana Department of Environmental Management
NA	Not Applicable
NPL	National Priorities List
OSC	On-Scene Coordinator
PCE	Tetrachloroethene
PRP	Potentially Responsible Party
RI/FS	Remedial Investigation/Feasibility Study
START	Superfund Technical Assessment and Reponse Team
TCE	Trichloroethene

6. Additional sources of information

6.1 Internet location of additional information/report
Additional information is available at response.epa.gov/keystonecorridor.

6.2 Reporting Schedule